

National Functional Guidelines Report # 3

2:05 Fri, Oct 31, 2008

Lab MITKEM (Mitekem Corporation) SDG Y4FW1

Case 37947

Contract EPW05030

Region 9

DDTID 65572

SOW SOM01.2

Data Review Results

Continuing Calibration Verification

Continuing Calibration Verification		VOA_LOW_MED
VC14	The following volatile samples are associated with a CCV with relative response factors (RRF50) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.	
	VBLK5V, VBLK5W, VHBLK5W, Y4FW1, Y4FW1MS, Y4FW1MSD, Y4FW2, Y4FW3, Y4FW4, Y4FW5, Y4FW6, Y4FW7, Y4FW8, Y4FW9, Y4FX0, Y4FX1, Y4FX2, Y4FX3, Y4FX4, Y4FX5, Y4FX6, Y4FX8, Y4FX8RE, Y4FX9, Y4FY0, Y4FY1	
	1,4-Dioxane VSTD0505V	
	VBLK5V, Y4FW1, Y4FW1MS, Y4FW1MSD, Y4FW2, Y4FW3, Y4FW4, Y4FW5, Y4FW6, Y4FW7, Y4FW8, Y4FW9, Y4FX0, Y4FX1, Y4FX2, Y4FX3, Y4FX4, Y4FX5, Y4FX6, Y4FX8, Y4FX9, Y4FY0, Y4FY1	
	Isopropanol VSTD0505V, VSTD0505W	
	VBLK5V, VBLK5W, VHBLK5W, Y4FW1, Y4FW1MS, Y4FW1MSD, Y4FW2, Y4FW3, Y4FW4, Y4FW5, Y4FW6, Y4FW7, Y4FW8, Y4FW9, Y4FX0, Y4FX1, Y4FX2, Y4FX3, Y4FX4, Y4FX5, Y4FX6, Y4FX8, Y4FX8RE, Y4FX9, Y4FY0, Y4FY1	

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DMC/Surrogate

DMC/Surrogate	VOA_LOW_MED
VDSS3	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y4FX4, Y4FX5, Y4FX6, Y4FY0
	Chloroethane-d5 Y4FX4, Y4FX5, Y4FY0
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
	Vinyl chloride-d3 Y4FX4, Y4FX5, Y4FX6, Y4FY0
	Vinyl chloride

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Detection Limit

Detection Limit	VOA_LOW_MED
VDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y4FW1, Y4FW2, Y4FX2, Y4FX4, Y4FX5, Y4FX6, Y4FX8, Y4FX8RE, Y4FX9
	cis-1,2-Dichloroethene Y4FX2, Y4FX4, Y4FX5, Y4FX6
	Benzene Y4FW1, Y4FX8, Y4FX8RE
	Carbon disulfide Y4FW2
	Trichloroethene Y4FX6, Y4FX9

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Initial Calibration

Initial Calibration		VOA_LOW_MED
VC15	The following volatile samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.	
	VBLK5V, VBLK5W, VHBLK5W, Y4FW1, Y4FW1MS, Y4FW1MSD, Y4FW2, Y4FW3, Y4FW4, Y4FW5, Y4FW6, Y4FW7, Y4FW8, Y4FW9, Y4FX0, Y4FX1, Y4FX2, Y4FX3, Y4FX4, Y4FX5, Y4FX6, Y4FX8, Y4FX8RE, Y4FX9, Y4FY0, Y4FY1	
	1,4-Dioxane VSTD0055K	
	Isopropanol VSTD0055K, VSTD0105K, VSTD0505K, VSTD1005K, VSTD2005K	
Initial Calibration		VOA_LOW_MED
VC20	The following volatile samples are associated with an initial calibration in which a DMC did not meet relative response factor (RRF) criteria. Detected and nondetected compounds are not qualified.	
	VBLK5V, VBLK5W, VHBLK5W, Y4FW1, Y4FW1MS, Y4FW1MSD, Y4FW2, Y4FW3, Y4FW4, Y4FW5, Y4FW6, Y4FW7, Y4FW8, Y4FW9, Y4FX0, Y4FX1, Y4FX2, Y4FX3, Y4FX4, Y4FX5, Y4FX6, Y4FX8, Y4FX8RE, Y4FX9, Y4FY0, Y4FY1	
	1,4-Dioxane-d8 VSTD0055K, VSTD0105K	
	1,4-Dioxane	
Initial Calibration		VOA_LOW_MED
VC6	The following volatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified. Use professional judgement to qualify non-detected compounds.	
	VBLK5V, VBLK5W, VHBLK5W, Y4FW1, Y4FW1MS, Y4FW1MSD, Y4FW2, Y4FW3, Y4FW4, Y4FW5, Y4FW6, Y4FW7, Y4FW8, Y4FW9, Y4FX0, Y4FX1, Y4FX2, Y4FX3, Y4FX4, Y4FX5, Y4FX6, Y4FX8, Y4FX8RE, Y4FX9, Y4FY0, Y4FY1	
	1,2,4-Trichlorobenzene BFB5K	
	VBLK5V, VBLK5W, VHBLK5W, Y4FW1, Y4FW1MS, Y4FW1MSD, Y4FW2, Y4FW3, Y4FW4, Y4FW5, Y4FW6, Y4FW7, Y4FW8, Y4FW9, Y4FX0, Y4FX1, Y4FX2, Y4FX3, Y4FX4, Y4FX5, Y4FX6, Y4FX8, Y4FX8RE, Y4FX9, Y4FY0, Y4FY1	

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Internal Standard

Internal Standard		VOA_LOW_MED
VIS31	The following volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.	
	1,4-Dichlorobenzene-d4 Y4FW1, Y4FW1MS, Y4FW1MSD, Y4FX8, Y4FX8RE	

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TIC

TIC		VOA_LOW_MED	
VTIC1	A library search indicates a match at or above 85% for a TIC compound in the volatile sample Detected compounds are qualified NJ. Nondetected compounds are not qualified.		
	1,2,3-Trimethylbenzene	Y4FW1, Y4FW2	
	1,2,4-Trimethylbenzene	Y4FW2	
TIC		VOA_LOW_MED	
VTIC2	A library search indicates a match below 85% for a TIC compound in the volatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.		
	Unknown-01	Y4FX5	